

POWER TRANSMISSION MECHANISM OF SHAFT AND HUB
CROSS-REFERENCE TO RELATED APPLICATION

This application is a National Stage entry of
International Application No. PCT/JP2004/011080, filed
5 August 3, 2004, the entire specification claims and drawings
of which are incorporated herewith by reference.

TECHNICAL FIELD

The present invention relates to a power transmitting
mechanism for transmitting torque smoothly between two
10 members comprising a shaft and a hub.

BACKGROUND ART

On motor vehicles such as automobiles, there have been
employed a set of constant velocity joints for transmitting
15 drive power from an engine through a shaft to axles. Each
constant velocity joint comprises an outer member, an inner
member, and a torque transmitting member disposed between
the outer and inner members for transmitting torque between
the outer and inner members. The constant velocity joint
20 includes a shaft/hub unit having a tooth assembly which
comprises a shaft tooth section on the shaft and a hub tooth
section on a hub, the shaft tooth section and the hub tooth
section being held in mesh with each other.

In recent years, there have been demands for efforts to
25 reduce circumferential backlash of constant velocity joints
which is caused by the chattering of the power transmitting